	Application No.	Applicant(s)
Notice of Allowability	09/813,896	MODHA ET AL.
	Examiner	Art Unit
	Uyen T. Le	2163
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet with the (OR REMAINS) CLOSED in this or other appropriate communic IGHTS. This application is subjusted and MPEP 1308.	he correspondence address s application. If not included ation will be mailed in due course. THIS
1. This communication is responsive to <u>applicant's amendment filed 30 December 2004</u> .		
2. The allowed claim(s) is/are <u>1-13,15-20,22-26 renumbered as 1-24</u> .		
3. The drawings filed on 30 August 2004 are accepted by the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application N	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a relENT of this application.	eply complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
 CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the state of the property of the state of the sheet. 	con's Patent Drawing Review (F s Amendment / Comment or in t .84(c)) should be written on the d	the Office action of rawings in the front (not the back) of
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sumn Paper No./Mai 8), 7. ☐ Examiner's Am	
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DETAILED ACTION

Allowable Subject Matter

1. Claims 1-13, 15-20, 22-26 renumbered as 1-24 are allowed.

The following is an examiner's statement of reasons for allowance: the prior art of record does not disclose or make obvious evaluating and outputting a final clustering solution for a plurality of multi-dimensional data records having multiple heterogeneous feature spaces represented by feature vectors including defining a distortion between two feature vectors as a weighted sym of distortion measures on components of said feature vectors, clustering said multi-dimensional data records into k-clusters using a convex programming formulation and:

- selecting feature weights of said feature vectors and minimizing distortion of kclusters as recited in claim 1;
- selecting optimal feature weights by an objective function to produce a final solution of final clustering that simultaneously minimizes average intra-cluster dispersion and maximizes average inter-dispersion along all of said heterogeneous feature spaces as recited in claims 8, 13, 20;
- Claims 2-7, 9-12, 15-19, 22-26 being further limiting and definite are also allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Uyen T. Le whose telephone number is 571-272-4021. The examiner can normally be reached on M-F 7:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on 571-272-4023. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

3. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

14 April 2005

UYEN LE PRIMARY EXAMINER